

**SLOVENSKI  
STANDARD**

**SIST EN 60570:1999/A2:2002**

december 2002

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Electrical supply track systems for luminaries - Amendmend A2 (IEC  
60570:1995/A2:2000)

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[SIST EN 60570:1999/A2:2002  
https://standards.iteh.ai/catalog/standards/sist/ad75f9a3-54c7-439d-8232-  
5286c1d00e9c/sist-en-60570-1999-a2-2002](https://standards.iteh.ai/catalog/standards/sist/ad75f9a3-54c7-439d-8232-5286c1d00e9c/sist-en-60570-1999-a2-2002)

ICS 29.140.50

Referenčna številka  
SIST EN 60570:1999/A2:2002(en)

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EUROPEAN STANDARD

**EN 60570/A2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2000

ICS 29.120.20;29.140.40

Supersedes EN 60570:1996/A11:1998 + A12:2000

English version

**Electrical supply track systems for luminaires**  
(IEC 60570:1995/A2:2000)

Systèmes d'alimentation électrique par rail  
pour luminaires  
(CEI 60570:1995/A2:2000)

Elektrische Stromschienensysteme für  
Leuchten  
(IEC 60570:1995/A2:2000)

This amendment A2 modifies the European Standard EN 60570:1996; it was approved by CENELEC on 2000-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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<https://standards.iteh.ai/catalog/standards/sist/ad75f9a3-54c7-439d-8232-5286c1d00e9c/sist-en-60570-1999-a2-2002>

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 34D/555/FDIS, future amendment 2 to IEC 60570:1995, prepared by SC 34D, Luminaires, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60570:1996 on 2000-11-01.

This amendment A2 supersedes the amendments A11:1998 and A12:2000 to EN 60570.

The following dates were fixed:

- latest date by which the amendment has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2001-08-01
- latest date by which the national standards conflicting  
with the amendment have to be withdrawn (dow) 2003-11-01

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## Endorsement notice

The text of amendment 2:2000 to the International Standard IEC 60570:1995 was approved by CENELEC as an amendment to the European Standard without any modification.

NOTE: Following the withdrawal of the A-deviation for Sweden, Annex ZB to EN 60570 is deleted.

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<https://standards.iteh.ai/catalog/standards/sist/ad75f9a3-54c7-439d-8232-5286c1d00e9c/sist-en-60570-1999-a2-2002>

**Annex ZA**  
(normative)

**Normative references to international publications  
with their corresponding European publications**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
<b>Add:</b> IEC 60364-7-715	1999	Electrical installations of buildings Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations	-	-

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC  
60570

1995

AMENDEMENT 2  
AMENDMENT 2  
2000-08

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Amendement 2

**Systèmes d'alimentation électrique  
 par rail pour luminaires**

Amendment 2

**Electrical supply track systems  
 for luminaires**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

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*Pour prix, voir catalogue en vigueur  
For price, see current catalogue*

## FOREWORD

This amendment has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

The text of this amendment is based on the following documents:

FDIS	Report on voting
34D/555/FDIS	34D/601/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2003-4. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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Page 7

### 1.1 Normative references

*Insert, in the existing list, the title of the following standard:*

IEC 60364-7-715:1999, *Electrical installations of buildings – Part 7-715: Requirements for special installations or locations – Extra-low-voltage lighting installations*

Page 11

### 5 Marking

*Add, on page 13, at the end of 5.6, the following new items:*

- d) instructions concerning suitable means for overload and short-circuit protection of the SELV circuit. The means of protection shall meet the requirements of IEC 60364-7-715;
- e) the minimum cross-sectional area and the maximum length of the supply cable between the transformer and the track supply connector.

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## 11 Thermal endurance and operating temperatures

Subclause 11.3

*Replace the text of the first line by the following:*

**11.3** Thermal endurance of track shall be checked by the following tests:

*Renumber the first and second paragraphs as 11.3.1.*

*Add the following new subclause:*

**11.3.2** For class III track, a typical luminaire, in accordance with 0.4.2 of IEC 60598-1 and chosen to represent the most onerous situation designed to be used with the track, shall be mounted on it in the most unfavourable position of normal use and electrically connected to it. For the supply cable, the most unfavourable position shall be taken with the cable bent sharply at the inlet opening as far as the design permits. The track shall be further electrically loaded so as to pass a total current, including the current to the luminaire, equal to its rated current.

The track system is operated at its rated  $t_a + 20$  °C and the test is made in accordance with 12.3 of IEC 60598-1.

Following the test, in addition to complying with 12.3 of IEC 60598-1, the track supply connector and couplers (if any) shall be loaded with 1,5 times the rated current of the track system. The voltage drop across each terminal or contact shall not exceed 22,5 mV.

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## 16 Resistance to heat, fire and tracking

Subclause 16.2

*Replace item a) by the following:*

- a) parts of insulating material retaining current-carrying parts in position shall be tested at a temperature equal to the  $t_a$  of the track + 25 °C with a minimum temperature of 125 °C;

*Add the following new clause 17: [SIST EN 60570:1999/A2:2002](https://standards.iteh.ai/catalog/standards/sist/ad75f9a3-54c7-439d-8232-5286-1d00e0/sist-en-60570-10:2002)*

[https://standards.iteh.ai/catalog/standards/sist/ad75f9a3-54c7-439d-8232-](https://standards.iteh.ai/catalog/standards/sist/ad75f9a3-54c7-439d-8232-5286-1d00e0/sist-en-60570-10:2002)

## 17 Terminals and connections for external wiring

For class III track, the provisions of 15.9.1 and 15.9.2 of IEC 60598-1 apply with the following modifications: